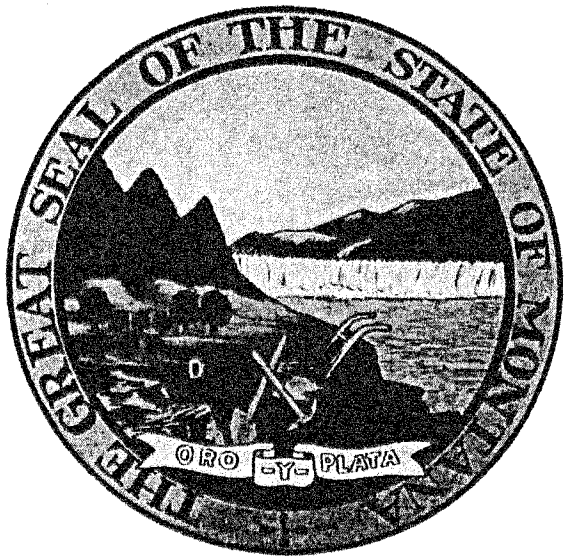
SENATE FINANCE & CLAIMS
Exhibit No. 13
Date 4-10-07 #1
Bill No. HB 830

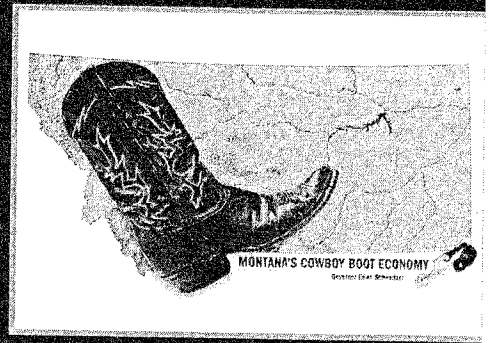
# A Partnership in Progress




IBM®

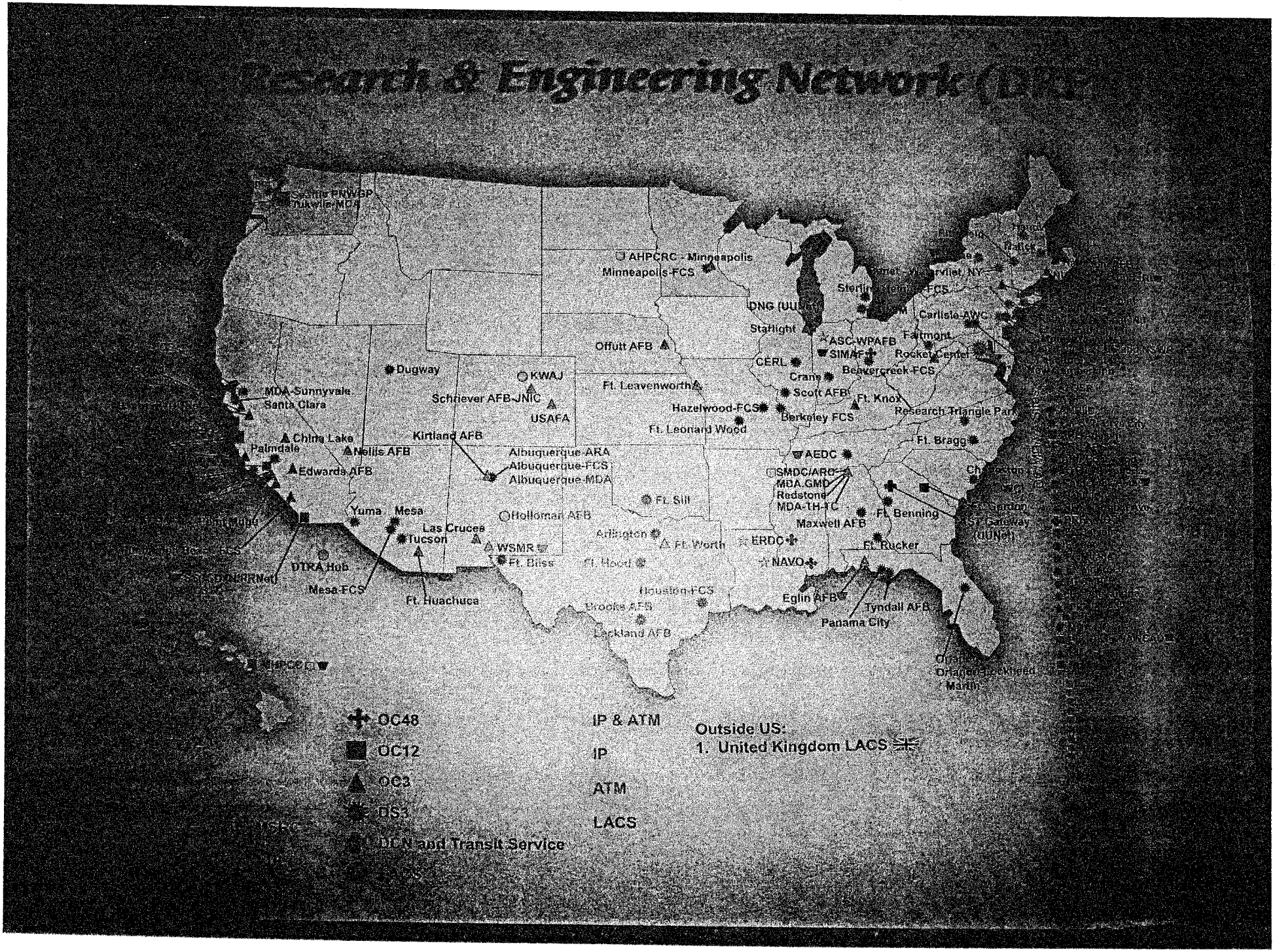
# ECONOMIC COMPETETIVENESS THRU SUPERCOMPUTING

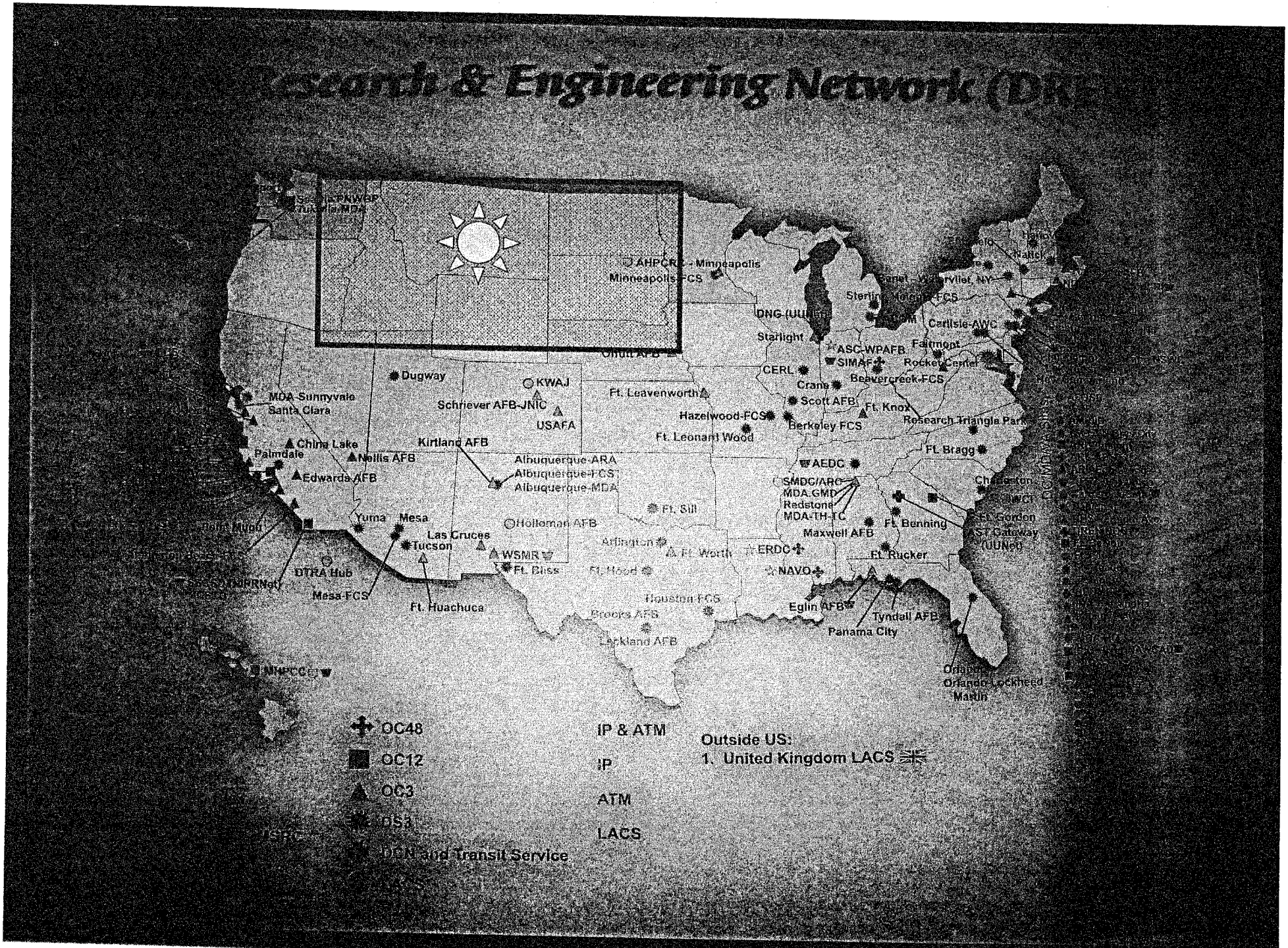
# Montana Supercomputing Center Governor's Vision




- Improve state's technology infrastructure
- Improve state's competitive positioning
- Improve state's economy – inside and outside "the boot"
- Bring opportunities to emerging workforce
- Bring Montanans & business home
- Promote Public/Private Partnerships

# MONTANA
# IS IN
# THE CENTER
# OF A
# "GREAT AMERICAN DESERT"
# OF
# SUPERCOMPUTING
# & NETWORK
# INFRASTRUCTURE


Research & Engineering Network (DREN)
Seattle PNWGP
Tukwila-MDA
AHPCRC - Minneapolis
Minneapolis-FCS
DNG (UUNet)
StarLight
Carlisle-AWC
ASC-WPAFB
Fairmont
SIMAF
Rocket Center
CERL
Crane
Beavercreek-FCS
Offutt AFB
Dugway
KWAJ
Ft. Leavenworth
Schriever AFB-JNIC
USAFA
MDA-Sunnyvale
Santa Clara
Scott AFB
Ft. Knox
Hazelwood-FCS
Berkeley FCS
Research Triangle Park
Ft. Leonard Wood
China Lake
Palmdale
Kirtland AFB
Nellis AFB
Albuquerque-ARA
Albuquerque-FCS
Albuquerque-MDA
Edwards AFB
AEDC
SMDC/ARC
MDA-GMD
Redstone
MDA-TH-TC
Ft. Sill
Holloman AFB
Yuma
Mesa
Las Cruces
Tucson
Maxwell AFB
Ft. Benning
Arlington
Ft. Worth
ERDC
Ft. Rucker
WSMR
Ft. Bliss
NAVO
DTRA Hub
Mesa-FCS
Ft. Huachuca
Houston-FCS
Brooks AFB
Eglin AFB
Tyndall AFB
Panama City
Lackland AFB
OC48
OC12
OC3
DS3
DCN and Transit Service
IP & ATM
IP
ATM
LACS
Outside US:
1. United Kingdom LACS


Research & Engineering Network (DR
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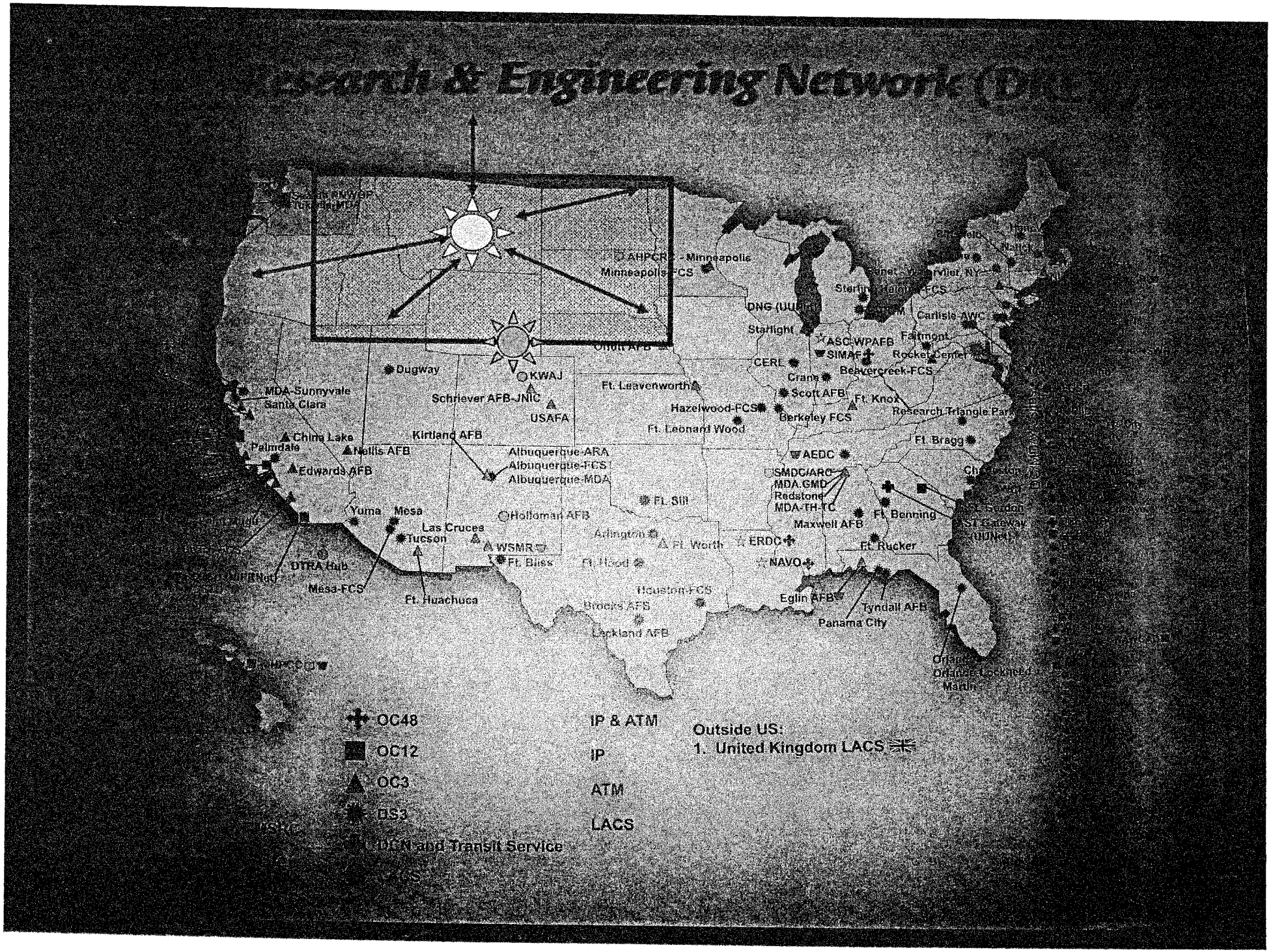
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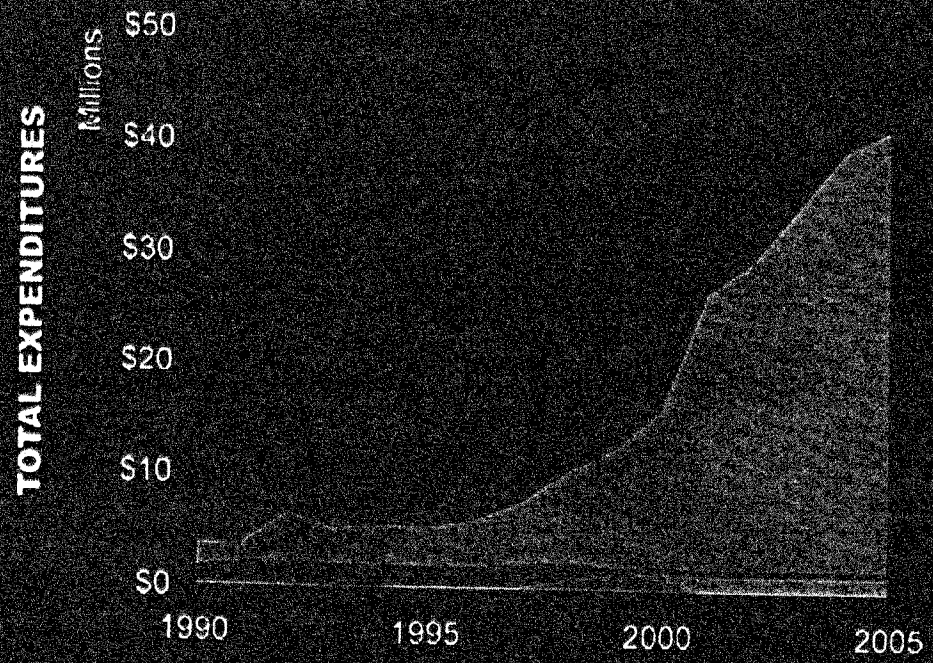
# Growth and Evolution HPC-MS

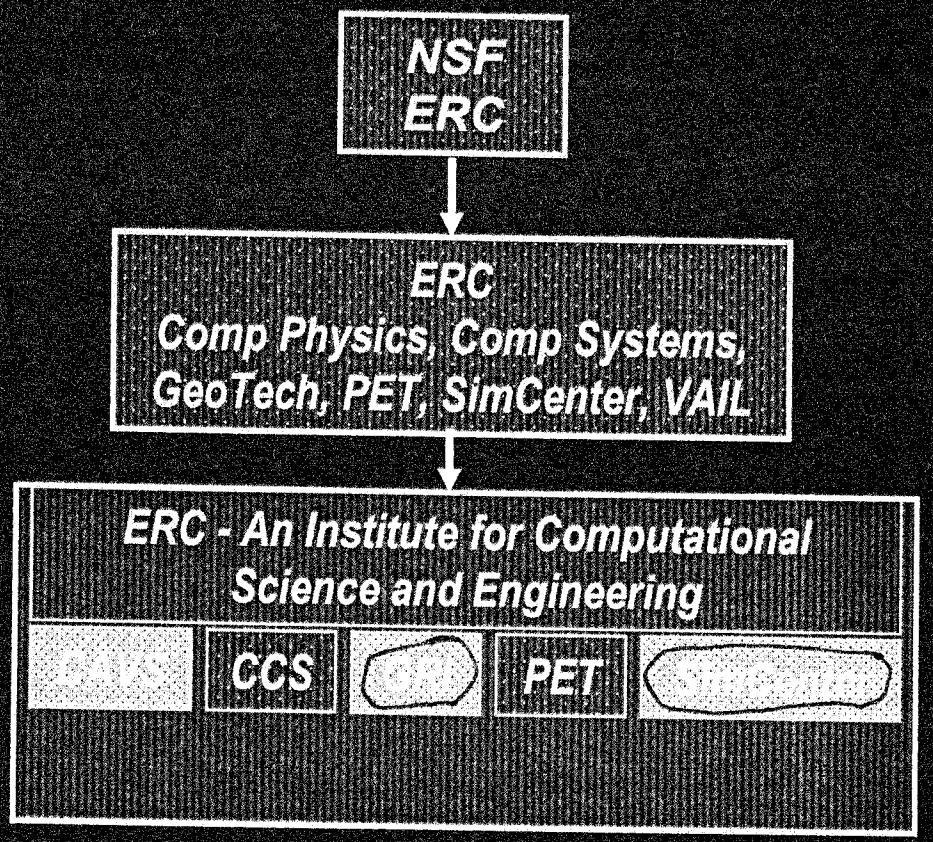
## Research Expenditures

> $260,000,000




## Computational Engineering Program

> 75 MS graduates
> 25 PhD graduates




## 426 Total HPC² Personnel

| | | | |
|---|---|---|---|
| 55 | Academic Faculty | 31 | Staff |
| 37 | Research Faculty | 114 | Graduate Students |
| 15 | Postdoctoral | 81 | Undergrad Students |
| 93 | Research Associates | | |

# Growth and Evolution HPC-MS

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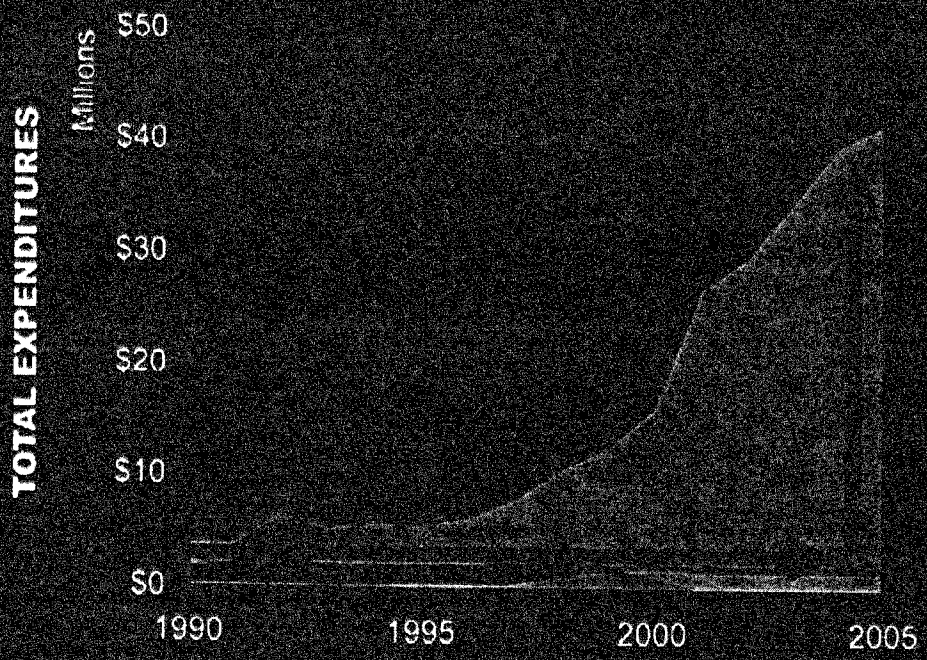


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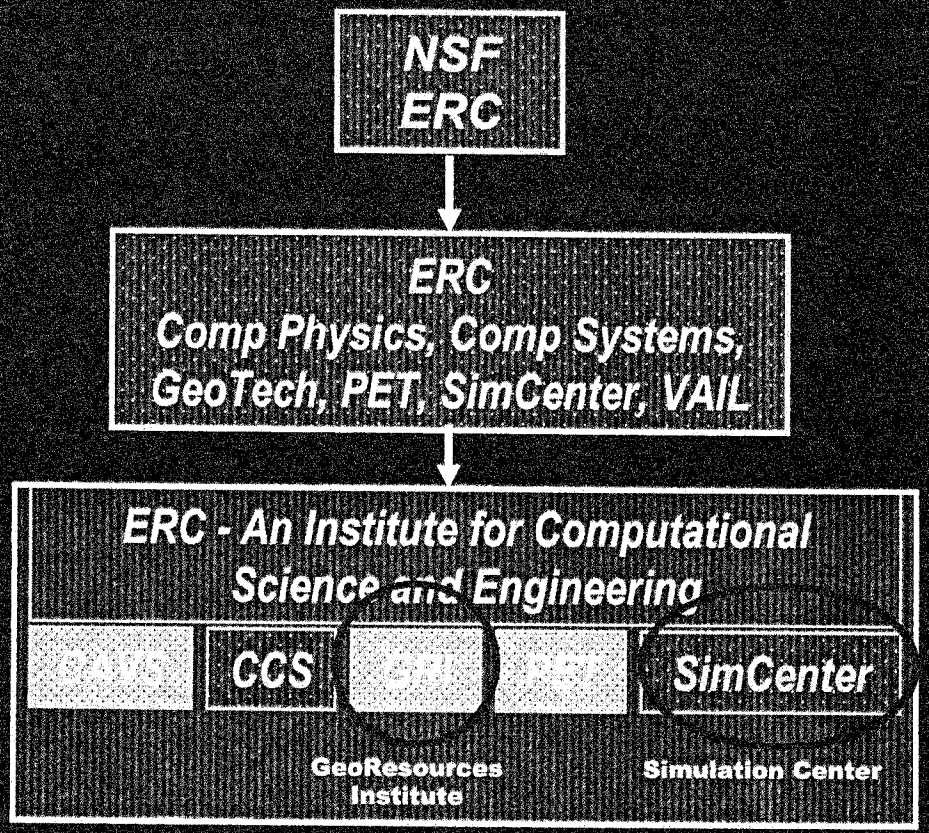


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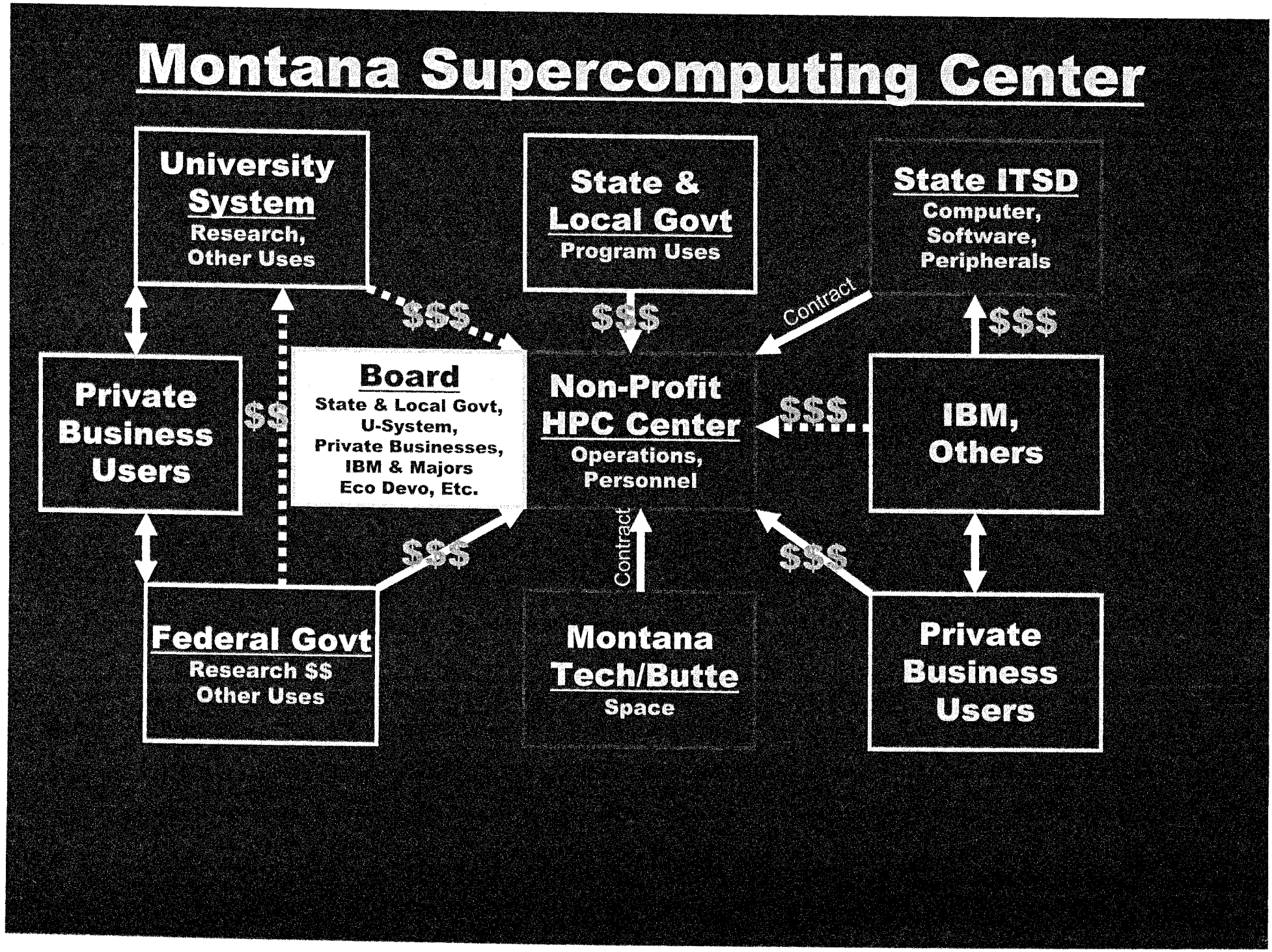
Montana Supercomputing Center
University System
Research, Other Uses
State & Local Govt
Program Uses
State ITSD
Computer, Software, Peripherals
$$$
$$$
Contract
$$$
Private Business Users
$$
Board
State & Local Govt, U-System, Private Businesses, IBM & Majors Eco Devo, Etc.
Non-Profit HPC Center
Operations, Personnel
$$$
IBM, Others
$$$
Contract
$$$
Federal Govt
Research $$ Other Uses
Montana Tech/Butte
Space
Private Business Users

IBM®

# A Partnership in Progress